

TEST REPORT	
Restriction of the use of certain hazardous substances	
Report Reference No.....	18-0419-PS-R01
Compiled by (+ signature).....	Carrey Wu
Approved by (+ signature)	Alex Wang
Date of issue.....	2018.05.30
Testing Laboratory	TÜV AUSTRIA (SHANGHAI) CO.,LTD
Address.....	Room 306-309, Rongbo Building, No.335 Xian Xia Road, Shanghai, P. 200051, P.R.China.
Applicant's name	Shanghai Fatahoo Industrial Corp.,Ltd
Address.....	No 388-2-2, West of Yingdu Road, Xinqiao Town, Songjiang District, Shanghai
Test specification:	
Standard	EN 50581:2012 EN 62321-2:2014 EN 62321-4:2014 EN 62321-5:2014 EN 62321-6:2015 EN 62321-7-2:2017
Test procedure.....	CE-RoHS
Non-standard test methods.....	N/A
Test Report Form No	TTRF_RoHS A1
TRF Originator.....	TÜV AUSTRIA (SHANGHAI) CO., LTD
Master TRF	Dated 2017-07
Test item description	Environmental-friendly CPP cold laminating film
Trade Mark	N/A
Model and/or type reference	FL0015
Manufacturer	Same as applicant
Description(s).....	See sample photos
Remark	N/A



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TTRF_RoHS A1

Testing:

Date of receipt of test item.....: May. 24, 2018
Date (s) of performance of tests: May. 24, 2018 - May. 29, 2018

Test Requirements:

Determine the Pb, Cd, Hg, Cr(VI), PBBs & PBDEs, DBP, BBP, DEHP, DIBP content of the parts according to the RoHS Directive 2011/65/EU

Test Result/Comments:

Based on the analysis on the submitted samples, the results do comply with the test requirement as mentioned below:

1. Sample prepared with reference to IEC 62321-2:2013 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation
2. Wet Chemical Test Method
 - a. Determination of Lead ,Cadmium by ICP-OES with reference to IEC 62321-5:2013
 - b. Determination of Mercury by ICP-OES with reference to IEC 62321-4:2013
 - c. Determination of Hexavalent Chromium by Spot test or UV-Vis Method with reference to IEC 62321-7-2:2017
 - d. Determination of PBBs and PBDEs by GC-MS with reference to IEC 62321-6:2015

TEST RESULTS:**RoHS 6 Items Content****Test Method:**

For Pb and Cd content: With reference to IEC62321-5:2013, Analysis was performed by ICP-OES.

For Hg content: With reference to IEC62321-4:2013, Analysis was performed by ICP-OES.

For Cr (VI) content: With reference to IEC62321-7-2:2017, Analysis was performed by UV-vis.

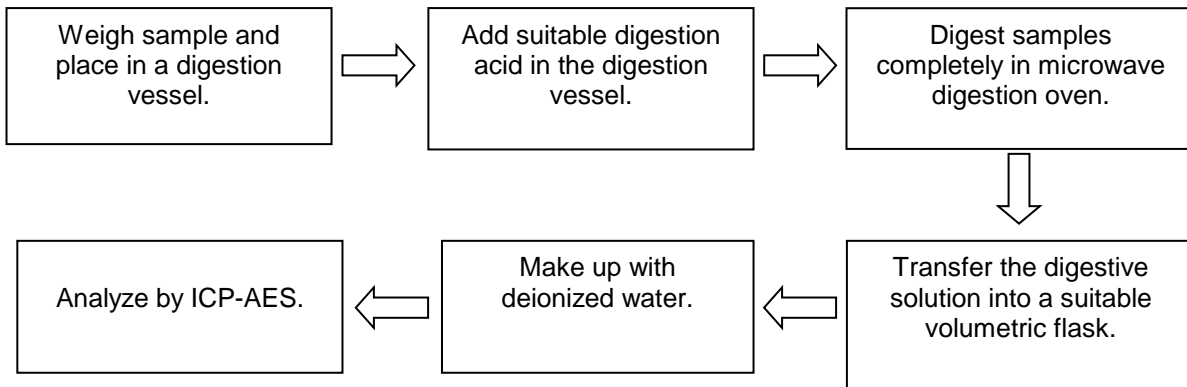
For PBBs and PBDEs content: With reference to IEC62321-6:2015, Analysis was performed by GC-MS.

No.	Test Items	MDL (mg/kg)	Results (mg/kg)	Limited Value* (mg/kg)
			1#	
1	Pb	2	N.D.	1000
2	Cd	2	N.D.	100
3	Hg	2	N.D.	1000
4	Cr (VI)	2	N.D.	1000
5	Monobromobiphenyl (MonoBB)	5	N.D.	---
	Dibromobiphenyl (DiBB)	5	N.D.	---
	Tribromobiphenyl (TriBB)	5	N.D.	---
	Tetrabromobiphenyl (TetraBB)	5	N.D.	---
	Pentabromobiphenyl (PentaBB)	5	N.D.	---
	Hexabromobiphenyl (HexaBB)	5	N.D.	---
	Heptabromobiphenyl (HeptaBB)	5	N.D.	---
	Octabromobiphenyl (OctaBB)	5	N.D.	---
	Nonabromobiphenyl (NonaBB)	5	N.D.	---
	Decabromobiphenyl (DecaBB)	5	N.D.	---
	Total PBBs / sum of above	---	N.D.	1000
	Monobromodiphenyl ether (MonoBDE)	5	N.D.	---
	Dibromodiphenyl ether (DiBDE)	5	N.D.	---
	Tribromodiphenyl ether (TriBDE)	5	N.D.	---
	Tetrabromodiphenyl ether (TetraBDE)	5	N.D.	---
	Pentabromodiphenyl ether (PentaBDE)	5	N.D.	---
	Hexabromodiphenyl ether (HexaBDE)	5	N.D.	---
	Heptabromodiphenyl ether (HeptaBDE)	5	N.D.	---
	Octabromodiphenyl ether (OctaBDE)	5	N.D.	---
	Nonabromodiphenyl ether (NonaBDE)	5	N.D.	---
Decabromodiphenyl ether (DecaBDE)	5	N.D.	---	
Total PBDEs / sum of above	---	N.D.	1000	

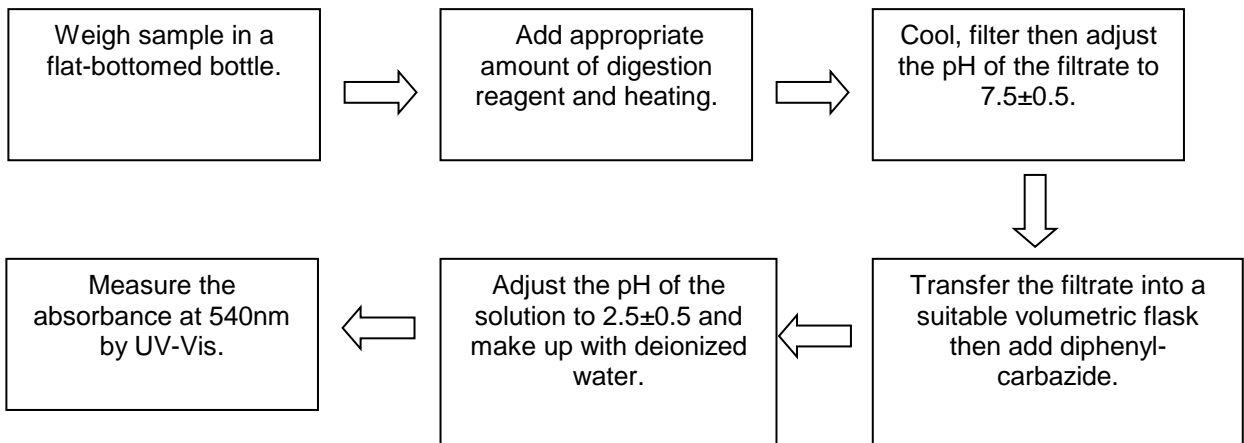
- Note :**
- 1) MDL = Method Detection Limit.
 - 2) N.D. = Not detected, less than MDL.
 - 3) "----" = Not Regulated.

FLOW CHART:

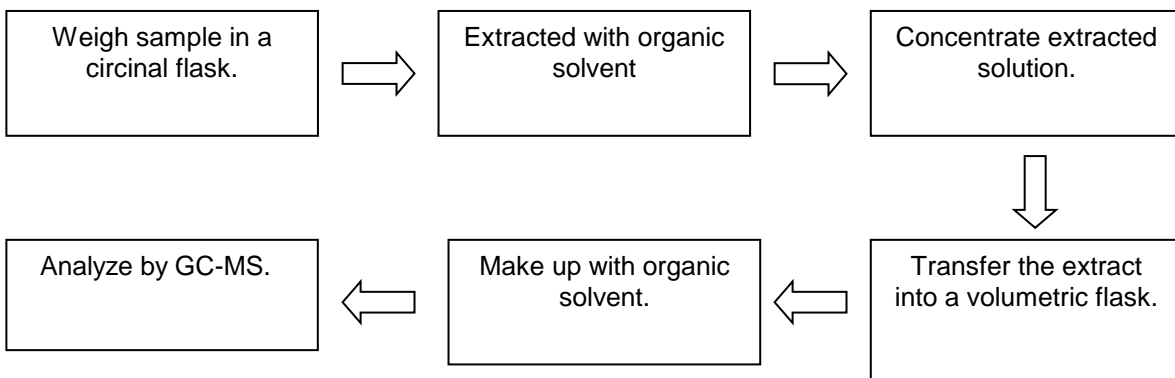
1. Test for Pb, Hg, Cd Content



2. Test for Chromium (VI) Content



3. Test for PBBs&PBDEs Content



Test sample photos

